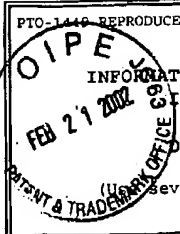

















PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 0399.1192-008	APPLICATION NO. 09/746,742
INFORMATION DISCLOSURE CITATION IN AN APPLICATION December 31, 2001 (Use several sheets if necessary)		APPLICANT Debra M. Eckert et al.	
		FILING DATE December 21, 2000	GROUP 1614 1630
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	AU	Borchardt, Allen et al., "Small Molecule-dependent genetic selection in stochastic nanodroplets as a means of detecting protein-ligand interactions on a large scale," <i>Chem. & Biol.</i> 4(12):961-968 (1997).	
	AV	Bullough, Per A. et al., "Structure of influenza haemagglutinin at the pH of membrane fusion," <i>Nature</i> 371:37-43 (1994).	
	AW	Caffrey, Michael et al., "Three-dimensional solution structure of the 44kDa ectodomain of SIV gp41," <i>EMBO J.</i> 17(16):4572-4584 (1998).	
	AX	Cao, Jie et al., "Effects of Amino Acid Changes in the Extracellular Domain of the Human Immunodeficiency Virus Type 1 gp41 Envelope Glycoprotein," <i>J. Virology</i> 67(5):2747-2755 (1993).	
	AY	Chabala, John C., "Solid-phase combinatorial chemistry and novel tagging methods for identifying leads," <i>Curr. Opin. Biotech.</i> 6:632-639 (1995).	
	AZ	Chakrabartty, Avijit et al., "Aromatic Side-Chain Contribution to Far-Ultraviolet Circular Dichroism of Helical Peptides and Its Effect on Measurement of Helix Propensities," <i>Biochemistry</i> 32:5560-5565 (1993).	
	AR2	Chambers, Philip, et al., "Heptad Repeat Sequences are Located Adjacent to Hydrophobic Regions in Several Types of Virus Fusion Glycoproteins," <i>Journal of General Virology</i> , 71:3075-3080 (1990).	
	AS2	Chan, David C., et al., "Evidence that a Prominent Cavity in the Coiled Coil of HIV Type I gp41 is an Attractive Drug Target," <i>Proc. Natl. Acad. Sci. USA</i> 95:15613-15617 (1998).	
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	AX2	Chen, Charlie L. et al., "One Bead-One Compound Combinatorial Peptide Library: Different Types of Screening," <i>Methods in Enzymology</i> 267:211-219 (1996).	
	AY2	Chen, Chin-Ho et al., "A Molecular Clasp in the Human Immunodeficiency Virus (HIV) Type 1 TM Protein Determines the Anti-HIV Activity of gp41 Derivatives: Implication for Viral Fusion," <i>J. Virology</i> 69(6):3771-3777 (1995).	
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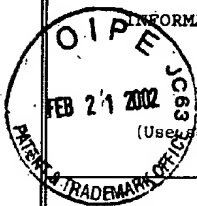
PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 0399.1192-008	APPLICATION NO. 09/746,742
INFORMATION DISCLOSURE CITATION IN AN APPLICATION December 31, 2001 (Use several sheets if necessary)		APPLICANT Debra M. Eckert et al.	
		FILING DATE December 21, 2000	GROUP 1614 1639
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<i>ML</i>	AV3	Eckert, Debra M. et al., "Crystal Structure of GCN4-pl ₁ , a Trimeric Coiled Coil with Buried Polar Residues," <i>J. Mol. Biol.</i> 284:859-865 (1998).	
<i>ML</i>	AW3	Eckhart, Leopold et al., "Immunogenic Presentation of a Conserved gp41 Epitope of Human Immunodeficiency Virus Type I on Recombinant Surface Antigen of Hepatitis B Virus," <i>J. Gen. Virol.</i> 77:2001-2008 (1996)	
<i>ML</i>	AX3	Edelhoch, Harold, "Spectroscopic Determination of Tryptophan and Tyrosine in Proteins," <i>Biochemistry</i> 6:(7):1948-1954 (1967).	
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<i>ML</i>	AR4	Furuta et al., "Capture of an early fusion-active conformation of HIV-1 gp41," <i>Nature Structural Biology</i> 5(4):276-279 (1998).	
<i>ML</i>	AS4	Gallagher, William R., et al., "A General Model for the Transmembrane Proteins of HIV and Other Retroviruses," <i>Aids Research and Human Retroviruses</i> , 5(4):431-440 (1989).	
<i>ML</i>	AT4	Harbury, Pehr B. et al., "Repacking protein cores with backbone freedom: Structure prediction for coiled coils," <i>Proc. Natl. Acad. Sci. USA</i> 92:8408-8412 (1995).	
<i>ML</i>	AU4	Harbury, Pehr B. et al., "Crystal structure of an isoleucine-zipper trimer," <i>Nature</i> 371:80-83 (1994).	
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION December 31, 2001 (Use several sheets if necessary)		APPLICANT Debra M. Eckert et al.	
		FILING DATE December 21, 2000	GROUP 1614 1639
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
AV4	Hirsch, Vanessa M. and Johnson, Philip R., "Pathogenic diversity of simian immunodeficiency viruses," <i>Virus Research</i> 32:183-206 (1994).		
AW4	Hooft, Rob W.W. and Vriend, Gert, "Errors in protein structures," <i>Nature</i> 381:272 (1996).		
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AY4	Jiang, S. et al., "A screening assay for antiviral compounds targeted to the HIV-1 gp41 core structure using a conformation-specific monoclonal antibody," <i>J. Virol. Methods</i> 80:85-96 (1999).		
A24	Jiang, Shibo et al., "HIV-1 inhibition by a peptide," <i>Nature</i> 365:113 (1993).		
AR5	Jones, T.A. et al., "Improved Methods for Building Protein Models in Electron Density Maps and the Location of Errors in these Models," <i>Acta Cryst.</i> A47:110-119 (1991).		
AS5	Judice, J. Kevin et al., "Inhibition of HIV type 1 infectivity by constrained α -helical peptides: Implications for the viral fusion mechanism," <i>Proc. Natl. Acad. Sci. USA</i> 94:13426-13430 (1997).		
AT5	Kilby, J. Michael et al., "Potent suppression of HIV-1 replication in humans by T-20, a peptide inhibitor of gp41-mediated virus entry," <i>Nature Medicine</i> 4(11):1302-1307 (1998).		
AU5	Kliger, Yossef et al., "Mode of Action of an Antiviral Peptide from HIV-1," <i>J. Biol. Chem.</i> 276(2):1391-1397 (2001).		
AV5	Kozarsky, Karen et al., "Glycosylation and Processing of the Human Immunodeficiency Virus Type 1 Envelope Protein," <i>J. Acquired Immune Deficiency Syndromes</i> 2:163-169 (1989).		
AW5	Kubinyi, Hugo, "Combinatorial and computational approaches in structure-based drug design," <i>Curr. Op. In Drug Disc. & Dev.</i> 1(1):16-22 (1998).		
AX5	Kuntz, Irwin D., "Structure-Based Strategies for Drug Design and Discovery," <i>Science</i> 257:1078-1082 (1992 August).		
AY5	LaCasse, Rachel A. et al., "Fusion-Competent Vaccines: Broad Neutralization of Primary Isolates of HIV," <i>Science</i> 283:357-362 (1999).		
A25	Lam, Kit S. et al., "A new type of synthetic peptide library for identifying ligand-binding activity," <i>Nature</i> 354:82-84 (1991).		
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION December 31, 2001 (Use several sheets if necessary)		APPLICANT Debra M. Eckert et al.	
		FILING DATE December 21, 2000	GROUP 1614 1639
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
AS6	Letvin, Norman L., "Progress in the Development of an HIV-1 Vaccine," <i>Science</i> 280:1875-1880 (1998).		
AT6	Li, Zhe, et al., "Anti-malarial Drug Development Using Models of Enzyme Structure," <i>Chemistry & Biology</i> , 1:31-37 (1994).		
AU6	Lu, Min, et al., "A Trimeric Structural Domain of the HIV-1 transmembrane glycoprotein," <i>Nature Structural Biology</i> , 2(12):1-8 (1995).		
AV6	Lu, Min and Kim, Peter S., "A Trimeric Structural Subdomain of the HIV-1 Transmembrane Glycoprotein," <i>J. Biomol. Structure & Dynamics</i> 15(3):465-471 (1997).		
AW6	Malashkevich, Vladimir N. et al., "Crystal structure of the simian immunodeficiency virus (SIV) gp41 core: Conserved helical interactions underlie the broad inhibitory activity of gp41 peptides," <i>Proc. Natl. Acad. Sci. USA</i> 95:9134-9139 (1998).		
AX6	Meng, Elaine C., et al., "Automated Docking with Grid-Based Energy Evaluation," <i>Journal of Computational Chemistry</i> , 13(4):505-524 (1992).		
AY6	Muster, Thomas et al., "Cross-Neutralizing Activity against Divergent Human Immunodeficiency Virus Type 1 Isolates Induced by the gp41 Sequence ELDKWAS," <i>J. Virology</i> 68(6):4031-4034 (1994).		
AZ6	Muster, Thomas et al., "A Conserved Neutralizing Epitope on gp41 of Human Immunodeficiency Virus Type 1," <i>J. Virology</i> 67(11):6642-6647 (1993).		
AR7	Nautiyal, Shivani and Alber, Tom, "Crystal structure of a designed, thermostable, heterotrimeric coiled coil," <i>Protein Science</i> 8:84-90 (1999).		
AS7	Nolte, Alexis et al., "Mirror-design of L-oligonucleotide ligands binding to L-arginine," <i>Nature Biotechnology</i> 4:1116-1119 (1996).		
AT7	O'Neil, Karyn T. and DeGrado, William F., "A Thermodynamic Scale for the Helix-Forming Tendencies of the Commonly Occurring Amino Acids," <i>Science</i> 250:646-351 (1990).		
AU7	Purtscher, Martin et al., "Restricted antigenic variability of the epitope recognized by the neutralizing gp41 antibody 2F5," <i>AIDS</i> 10:587-593 (1996).		
AV7	Reimann, Keith A. et al., "A Chimeric Simian/Human Immunodeficiency Virus Expressing a Primary Patient Human Immunodeficiency Virus Type 1 Isolate env Causes an AIDS-Like Disease after In Vivo Passage in Rhesus Monkeys," <i>J. Virology</i> 70(10):6922-6928 (1996).		
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 INFORMATION DISCLOSURE CITATION IN AN APPLICATION December 31, 2001 (Use several sheets if necessary)		APPLICANT Debra M. Eckert et al.	
		FILING DATE December 21, 2000	GROUP 1614 1639
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AW7	Richman, Douglas D., "Nailing down another HIV target," <i>Nature Medicine</i> 4(11):1232-1233 (1998).	
	AX7	Rimsky, Laurence T. et al., "Determinants of Human Immunodeficiency Virus Type 1 Resistance to gp41-Derived Inhibitory Peptides," <i>J. Virology</i> 72(2):986-993 (1998).	
	AY7	Ring, Christine S., et al., "Structure-based Inhibitor Design by Using Protein Models for the Development of Antiparasitic Agents," <i>Proc. Natl. Acad. Sci. USA</i> , 90:3583-3587 (1993).	
	AZ7	Root, Michael J. et al., "Protein Design of an HIV-1 Entry Inhibitor," <i>Science</i> 291:884-888 (2001).	
	AR8	Schumacher, Ton N.M. et al., "Identification of D-Peptide Ligands Through Mirror-Image Phage Display," <i>Science</i> 271:1854-1857 (1996).	
	AS8	Shuker, Suzanne B. et al., "Discovering High-Affinity Ligands for Proteins: SAR by NMR," <i>Science</i> 274:1531-1534 (1996).	
	AT8	Singh, Mona et al., "LearnCoil-VMF: Computational Evidence for Coiled-coil-like Motifs in Many Viral Membrane-fusion Proteins," <i>J. Mol. Biol.</i> 290:1031-1041 (1999).	
	AU8	Tan, Kemin et al., "Atomic structure of a thermostable subdomain of HIV-1 gp41," <i>Proc. Natl. Acad. Sci. USA</i> 94:12303-12308 (1997).	
	AV8	Tarrago-Litvak, Laura et al., "The reverse transcriptase of HIV-1: from enzymology to therapeutic intervention," <i>FASEB J.</i> 8:497-503 (1994).	
	AW8	Tucker, Thomas J. et al., "Development of Nonnucleoside HIV Reverse Transcriptase Inhibitors," <i>Methods in Enzymology</i> 275:440-472 (1996).	
	AX8	Tyagi, Sanjay et al., "Multicolor molecular beacons for allele discrimination," <i>Nature Biotechnology</i> 16:49-53 (1998).	
	AY8	Weissenhorn, Winfried et al., "Assembly of a rod-shaped chimera of a trimeric GCN4 zipper and the HIV-1 gp41 ectodomain expressed in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 94:6065-6069 (1997).	
	AZ8	Weissenhorn, W. et al., "Atomic structure of the ectodomain from HIV-1 gp41," <i>Nature</i> 387:426-430 (1997).	
	AR9	Weissenhorn, Winfried et al., "Crystal Structure of the Ebola Virus Membrane Fusion Subunit, GP2, from the Envelope Glycoprotein Ectodomain," <i>Molecular Cell</i> 2:605-616 (1998).	
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<p>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</p> <p>December 31, 2001</p> <p>(Use several sheets if necessary)</p>		<p>APPLICANT Debra M. Eckert et al.</p>	
		<p>FILING DATE December 21, 2000</p>	<p>GROUP 1614 1639</p>
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
M	AT9	Wild, Carl T. et al., "Peptides corresponding to a predictive α -helical domain of human immunodeficiency virus type 1 gp41 are potent inhibitors of virus infection," <i>Proc. Natl. Acad. Sci. USA</i> 91:9770-9774 (1994).	
M	AU9	Williams, Kelly P. et al., "Bioactive and nuclease-resistant 1-DNA ligand of vasopressin," <i>Proc. Natl. Acad. Sci. USA</i> 94:11285-11290 (1997).	
M	AV9	Youngquist, R. Scott et al., "Generation and Screening of Combinatorial Peptide Libraries Designed for Rapid Sequencing by Mass Spectrometry," <i>J. Am. Chem. Soc.</i> 117:3900-3906 (1995).	
M	AW9	Malashkevich, Vladimir N. et al., "Core structure of the envelope glycoprotein GP2 from Ebola virus at 1.9-Å resolution," <i>Proc. Natl. Acad. Sci. USA</i> 96:2662-2667 (1999).	
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2 nd SUPPLEMENTAL INFORMATION DISCLOSURE IN AN APPLICATION		APPLICANT Debra M. Eckert, et al.	
March 24, 2003 (Use several sheets if necessary)		FILING DATE December 21, 2000	CONFIRMATION NO. 1627-1634

U.S. PATENT DOCUMENTS			
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AY9	Jiang, Shibo et al., "Development of HIV Entry Inhibitors Targeted to the Coiled-Coil Regions of gp41," Biochemical and Biophysical Research Communications 269(3):641-646 (2000).	
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AR10	Bahbouhi, B., et al., "Effects of L-and D-REKR Amino Acid-Containing Peptides on HIV and SIV Envelope Glycoprotein Precursor Maturation and HIV and SIV Replication," Biochem. J. 366 (Pt. 3):863-872 (2002).	
AS10	Benkirane, M., et al., "Antigenicity and Immunogenicity of Modified Synthetic Peptides Containing D-Amino Acid Residues. Antibodies to a D-Enantiomer Do Recognize the Parent L-Hexapeptide and Reciprocally," J. Biol. Chem. 268(35): 26279-26285 (1993).	
AT10	Corigliano-Murphy, M.A., et al., "Synthesis and Properties of an All-D Model Ribonuclease S-Peptide," Int. J. Pep. Prot. Res. 25:225-231 (1985).	
AU10	Kramer, A., et al., "Stepwise Transformation of a Cholera Toxin and a p24 (HIV-1) Epitope Into D-Peptide Analogs," Prot. Engin. 11(10):941-948 (1998).	
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3rd SUPPLEMENTAL INFORMATION DISCLOSURE
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APPLICANT
Debra M. Eckert *et al.*

JULY 7, 2003

FILING DATE
December 21, 2000

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EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME
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